

DESIGNERS AND SUPPLIERS OF HYBRID POWER MANAGEMENT FUEL CONTROL AND SITE MONITORING SOLUTIONS FOR TELECOM BASE STATIONS

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MastMinder 550 Watt PV Panels





PERC high efficiency 182x91mm solar cells



Insured linear 30-year power output guarantee up to 80%, 15-year product warranty for materials and processing



PID resistant function.



Higher performance under low light environment



Low resistance loss and improved shade tolerance



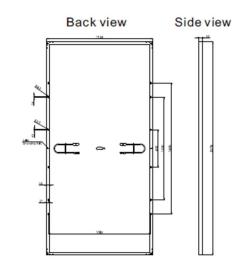
Multiwire technology for superior reliability and performance



ELECTRICAL CHARACTERISTICS	
Power output (Wp)	550W
Max. power voltage (Vmp)	41.3V
Max. power current (Imp)	13.32A
Open circuit voltage (Voc)	49.62V
Short circuit current (Isc)	14.03A
Module efficiency (%)	21.30%
Maximum system voltage (V)	1500V
Maximum series fuse rating (A)	20A
Power output tolerance	±5W
FF(%)	79.02%

Cells	144cells	
Cells size	182x91mm	
Junction box	IP68	
Diodes	3 by-pass diodes	
Glass	3.2mm(High transmissivity low-iron tough	
Frame	Anodized aluminium alloy	
Weight	28kg	
Dimension	2278mm×1134mm×35mm	

TEMPERATURE CHARACTERISTICS
Isc(α) +0.048%/°C
Voc (β) -0.27% / °C
Pmax (γ) -0.35% / °C
Nominal operating cell
temperature 45°C (+/- 2°C)



OTHER CHARACTERISTICS	
Operating temperature	-40°C to 85°C
Max. load	5400Pa (front) / 2400 Pa(back)
Fire performance Class C (IEC)	Class C (IEC)
Cable length	300mm±5mm
Connector	MC4 compatible

